Intentional Application No
PCT/TR2004/052120

	•	PCT	/IB2004/052120
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER G11B17/028		
A wellin on be	a Jahann atlannak Daharak Olamatti sakkar (1900) anka bakkar atlanak karak		
	o International Patent Classification (IPC) or to both national classification	cation and IPC	
	ocumentation searched (classification system followed by classification	ition symbols)	
IPC 7	G11B	,	
Documenta	tion searched other than minimum documentation to the extent that	such documents are included in	the fields searched
Electronic d	ata base consulted during the International search (name of data b	pase and, where practical, search	terms used)
EPO-In	ternal, WPI Data, PAJ		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the r	elevant passages	Relevant to daim No.
Х	EP 1 050 878 A (HEWLETT PACKARD 8 November 2000 (2000-11-08) column 4, line 57 - column 10, l figures	•	1~6
X	GB 2 251 116 A (TANASHIN DENKI 0 24 June 1992 (1992-06-24) page 3, line 8 - page 4, line 28		1-6
X	EP 0 499 413 A (SONY CORP) 19 August 1992 (1992-08-19) column 7, line 11 - column 9, li figures 6,7	ne 42;	1-6
X	DE 197 05 002 A (PIONEER ELECTRO 14 August 1997 (1997-08-14) column 2, line 1 - column 4, lin figures 2-4	•	1-6
		-/	
X Furt	her documents are listed in the continuation of box C.	X Patent family member	rs are listed in annex.
° Special ca	stegories of cited documents:	"T" later document nublished s	after the international filing date
"A" docum	ent defining the general state of the art which is not tered to be of particular relevance	or priority date and not in	conflict with the application but rinciple or theory underlying the
"E" earlier o	document but published on or after the International tate	"X" document of particular rela	evance; the claimed invention
'L' docume	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another	involve an inventive step	vel or cannot be considered to when the document is taken alone
citatio	is cited to establish the publication date of another in or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or		evance; the claimed invention involve an inventive step when the ith one or more other such docu-
other: P' docume	means ent published prior to the international filling date but	ments, such combination in the art.	being obvious to a person skilled
	han the priority date claimed actual completion of the international search	*&* document member of the s	
1	5 December 2004	28/12/2004	
Name and	mailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Declat, M	

Interional Application No
PCT/IB2004/052120

		PCT/IB2004/052120
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 849 733 A (MATSUSHITA ELECTRIC IND CO LTD) 24 June 1998 (1998-06-24) column 3, line 4 - line 55; figure 27	1-6
A	US 4 408 318 A (SUGIURA YUTAKA) 4 October 1983 (1983-10-04) abstract; figures	1-6
A	US 4 653 041 A (FOOTE JAMES C) 24 March 1987 (1987-03-24) abstract; figures	1-6
A	US 4 791 624 A (STINESEN BERNARDUS J) 13 December 1988 (1988-12-13) abstract; figures	1-6
A	EP 0 598 330 A (THOMSON BRANDT GMBH) 25 May 1994 (1994-05-25) abstract; figures	1-6
A	WO 00/74050 A (WADA SHINICHI ; MATSUSHITA ELECTRIC IND CO LTD (JP)) 7 December 2000 (2000-12-07) abstract; figures	1-6
A	WO 02/080165 A (KONINKL PHILIPS ELECTRONICS NV) 10 October 2002 (2002-10-10) cited in the application abstract; figures	1-6

'Information on patent family members

Internal Application No
PCT/IB2004/052120

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1050878	Α	08-11-2000	US EP	6252843 1050878	A1	26-06-2001 08-11-2000
			JP	2000306304	Α	02-11-2000
GB 2251116	Α	24-06-1992	HK	13695		10-02-1995
			JP	2775351	B2	16-07-1998
			JP	4251480		07-09-1992
			SG	172594		28-04-1995
			US	5177731	A —————	05-01-1993
EP 0499413	Α	19-08-1992	AT	157799	T	15-09-1997
			AU	648383		21-04-1994
			AU	1088592		20-08-1992
			BR	9200469		20-10-1992
			CA	2060923		13-08-1992
	•		DE	69221911		09-10-1997
			DE	69221911		12-02-1998
			EP	0499413		19-08-1992
			ES	2106823		16-11-1997
			HK	1011449		28-04-2000
			HU JP	63268		28-07-1993
			JP	3298651 5089515		02-07-2002 09-04-1993
			JP	3326692		24-09-2002
			JP	2002042436		08-02-2002
			PL	293444		16-11-1992
			ΡĹ	169007		31-05-1996
			US	6252842		26-06-2001
			ZA	9200991		25-11-1992
			JP	3208806		17-09-2001
			JP	5074026		26-03-1993
_			MX	9200579	A1	01-11-1993
DE 19705002	A	14-08-1997	JP	9219038	 A	19-08-1997
			DE	19705002	A1	14-08-1997
			US	6011771	A 	04-01-2000
EP 0849733	Α	24-06-1998	JP	3355973		09-12-2002
			JP	10188418		21-07-1998
			CN	1185624		24-06-1998
			DE	69721202		28-05-2003
			DE	69721202		25-03-2004
			EP	0849733		24-06-1998
			US JP	6041033 11073722		21-03-2000 16-03-1999
			Ur 	110/3/22	~ ~~~~	10-03-1999
US 4408318	Α	04-10-1983	JP	54176306		13-12-1979
			DE	2952816		15-09-1988
			DE	2952816		08-01-1981
بداني سيب کا به جانگ کاک برنگ ساک			WO	7901162	A1 	27 - 12-1979
US 4653041	A	24-03-1987	NONE			
US 4791624	Α	13-12-1988	NL	8503523		16-07-1987
			DE	3670171		10-05-1990
			EP	0228126		08-07-1987
			HK	91191	А	22-11-1991
			JP	2529675		28-08-1996

information on patent family members

Internal Application No PCT/IB2004/052120

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4791624	A		JP	62157362	A	13-07-1987
EP 0598330	Α	25-05-1994	DE	4238941	A1	26-05-1994
			CN		A,B	10-08-1994
			DE		D1	12-03-1998
			EP		Ā2	25-05-1994
			ES		T3	16-05-1998
			HK		A1	31-12-1998
			JP	6215531	A	05-08-1994
			KR	258127	B1	01-06-2000
			SG	46653	A1	20-02-1998
			US	5600625	Α	04-02-1997
WO 0074050	Α	07-12-2000	JP	2000339802	A	08-12-2000
			CN	1354879	T	19-06-2002
			WO		A1	07-12-2000
			TW	468154	В	11-12-2001
			US	6826771	B1	30-11-2004
WO 02080165	A	10-10-2002	WO	02080165	A1	10-10-2002
			US		A1	31-10-2002